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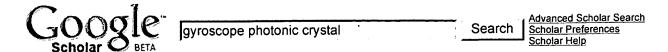
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Rotating photonic crystals: A medium for compact optical gyroscopes

BZ Steinberg - Phys Rev E, 2005 - link.aps.org

... frequency. The curves of the stationary and rotating systems are shown in Fig.

4. III. The Photonic Crystal Optical Gyroscope Using Eq. s2 ...

Web Search

OPTICAL fibre sensors-applications and potential

B Culshaw - eel.iust.ac.ir

... Even the fibre gyroscope – the largest single technology – is available in tens

of ... The photonic crystal fibre (figure 15) offers a mechanical as well as ...

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ELE

MF House, E Editor, PI White, ELL Dnve, F Farm - ieeexplore.ieee.org ... Ari Huang (China) 728 Hybrid opto-mechanical gyroscope with injection ... and experimental light propagation characteristics 735 in photonic crystal waveguides T ... Web Search

Agenda of Sessions

C Abstracts - ieeexplore.ieee.org ... CPDB3 • 8:20 pm Observation of Purcell effect in **photonic crystal** nanocavity at room temperature, Toshihiko Baba', Daisuke Sano', Kengo Nozaki', Kyoji ... Web Search

The Sagnac effect in Coupled-Resonator Slow-Light Waveguide Structures

J Scheuer - Arxiv preprint physics/0506039, 2005 - arxiv.org ... realization of an ultra-sensitive optical **gyroscope** [9]. Subsequently, Steinberg studied the effect of rotation in coupled **photonic crystal** defect cavities [10 ... View as HTML - Web Search - arxiv.org

Broadband amplified spontaneous emission fibre source near 2 µm using resonant in-band pumping

YH Tsang, A F El-Sherif, T A King - Journal of Modern Optics, 2005 - dx.doi.org ... achieved by transmitting ultrashort pico- second or femtosecond pulses in **photonic crystal** fibres ... In the fibre-optic **gyroscope** (FOG) it is necessary to have an ... Web Search - taylorandfrancis.metapress.com

Atmospheric electron X-ray spectrometer development

JE Feldman, JZ Wilcox, T George, N Bridges, DN ... - 2001 IEEE Aerospace Conference, Big Sky, MT, 2001 - ieeexplore.ieee.org

Page 1. Atmospheric Electron X-ray Spectrometer Development 1 Jason E. Feldman,

Jaroslava Z. Wilcox, Thomas George, Nathan Bridges ...

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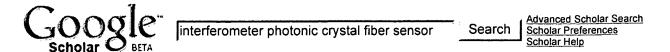
JOINTLY PREPARED WITH THE IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES AND THE IEEE JOURNAL ...

SSONEC STRUCTURES, S DESIGN - ieeexplore.ieee.org

... Enhanced Radiation Effects in Confined Photonic Systems ... Two-Dimensional Elastic Bandgap

Crystal to Attenuate ... Fiber Source for Fiber-Optic Gyroscope Applications ...

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Remotely addressed optical® bre curvature sensor using multicore photonic crystal® bre WN MacPherson, MJ Gander, R McBride, JDC Jones, PM ... - Optics Communications, 2001 - sinclair.ece.uci.edu ... curvature. Ó 2001 Published by Elsevier Science BV Keywords: Multicore; Photonic; Crystal; Fibre interferometer; Sensor 1. Introduction ... Cited by 8 - View as HTML - Web Search - ingentaconnect.com - adsabs.harvard.edu - all 5 versions »

... interferometer based on polarization maintaining photonic crystal fiber with reduced temperature ...

DH Kim, JU Kang - Proc. SPIE, 2003 - opticsexpress.org ... mode dispertion in **photonic crystal** holey **fiber** ... 1st European Symposium on **Photonic** Crystals, (Warsaw ... De La Rosa: "**Fiber** Sagnac **interferometer** temperature **sensor** ... Cited by 4 - Web Search - rayscience.com - opticsexpress.org - adsabs.harvard.edu

Optically interrogated MEMS pressure sensors for propulsion applications
J Zhou, S Dasgupta, H Kobayashi, JM Wolff, HE ... - Opt. Eng, 2001 - link.aip.org
... JM Vaughn, The Fabry-Perot Interferometer—History, Theory ... at high spatial resolution,
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Cited by 11 - Web Search - adsabs.harvard.edu

Single-Crystal Sapphire Fiber-Based Strain Sensor for High-Temperature Applications
H Xiao, J Deng, G Pickrell, RG May, A Wang - J. Lightwave Technol, 2003 - ieeexplore.ieee.org
... sensor based on Febry-Pérot interferometer," in Tech ... current research interests include
photonic sensor networks, optical ... for microdefects, and crystal growth ...
Cited by 3 - Web Search - jlt.osa.org - ieeexplore.ieee.org - dx.doi.org - all 5 versions »

Two-Mode Operation in Highly Birefringent Photonic Crystal Fiber

J Ju, W Jin, MS Demokan - IEEE Photonics Technology Letters, 2004 - ieeexplore.ieee.org ... A practical two-mode **interferometer** based on LP ... fibers for two-mode **fiber** devices," Opt ... 1.3 dB/km) polarization-maintaining **photonic crystal fiber**," Electron ... Cited by 1 - Web Search - ieeexplore.ieee.org

... interferometer sensor integrated in a single block of photochromic Fe: Mn: LiNbO3 crystal J Li, L Liu, Y Guo, C Zhou - Proceedings of SPIE, 2003 - adsabs.harvard.edu ... 4114, p. 221-229, Photonic Devices and Algorithms for ... Fe:Mn:LiNbO 3 photorefractive crystal, we presented a ... changes as one arm of the interferometer is exposed ... Cited by 1 - Web Search - link.aip.org - csa.com

Optical voltage sensor based on electrooptic crystal multiplier

C Li, T Yoshino - Journal of Lightwave Technology, 2002 - ieeexplore.ieee.org
... JR McDonald, and I. Andonovic, "Optical crystal based devices ... SA Kingsley, and J. Latess, "An integrated photonic Mach—Zehnder interferometer with no ...

Cited by 2 - Web Search - jlt.osa.org - ieeexplore.ieee.org - csa.com - all 5 versions »

SiC Thin-Film Fabry—Perot Interferometer for Fiber-Optic Temperature Sensor
L Cheng, AJ Steckl, J Scofield - IEEE TRANSACTIONS ON ELECTRON DEVICES, 2003 - ieeexplore.ieee.org
... for the epitaxial growth of single-crystal SiC. ... Using a Thin-Film Fabry—Perot
Interferometer," Ph.D ... focused ion beam fabrication of photonic components and ...
Cited by 1 - Web Search - ieeexplore.ieee.org

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L1	731750	interfer\$	US-PGPUB; USPAT	ADJ	ON	2005/12/28 15:58
L2	569130	fiber or fibre	US-PGPUB; USPAT	ADJ	ON	2005/12/28 15:58
L3	17423	gyro or gyroscope or sagnac	US-PGPUB; USPAT	ADJ	ON	2005/12/28 15:58
L4	2202	photonic near4 crystal	US-PGPUB; USPAT	ADJ	ON	2005/12/28 15:58
L5	14	1 and 2 and 3 and 4	US-PGPUB; USPAT	ADJ	ON	2005/12/28 15:37
L6	675	1 and 2 and 4	US-PGPUB; USPAT	ADJ	ON	2005/12/28 15:37
L7	52	1 same 2 same 4	US-PGPUB; USPAT	ADJ	ON	2005/12/28 15:39
L8	246	6 and sensor	US-PGPUB; USPAT	ADJ	ON	2005/12/28 15:44
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L10	59	9 not (5 or 7)	US-PGPUB; USPAT	ADJ	ON	2005/12/28 15:48
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L12	12	11 and "356"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2005/12/28 15:50
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L17	84362	interfer\$	EPO; JPO; IBM_TDB	ADJ	ON	2005/12/28 15:58
L18	279736	fiber or fibre	EPO; JPO; IBM_TDB	ADJ	ON	2005/12/28 15:58
L19	5538	gyro or gyroscope or sagnac	EPO; JPO; IBM_TDB	ADJ	ON	2005/12/28 15:58
L20	716	photonic near4 crystal	EPO; JPO; IBM_TDB	ADJ	ON	2005/12/28 15:58

L21	0	17 and 18 and 19 and 20	EPO; JPO; IBM_TDB	ADJ	ON	2005/12/28 15:59
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L23	0	17 and 18 and 20 and sensor	EPO; JPO; IBM_TDB	ADJ	ON	2005/12/28 16:00
L24	144	20 near4 18	EPO; JPO; IBM_TDB	ADJ	ON	2005/12/28 16:00